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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/532,008
Applicant	:	Bemmer, Rene; Britsch, Matthias
Filed	:	April 20, 2005
Examiner	:	to be assigned
Title	:	Internet protocol based multimedia system (IMS)
Docket No.	:	102132-26
Customer No.	:	27388

Mail Stop PCT
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF PRIORITY DOCUMENT

Sir:

Appended hereto is a certified copy of Priority Document EP 02024256 filed October 31,

2002. Applicant requests that this document be made of record in the above identified application.

Respectfully submitted,
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D2912

Bescheinigung Certificate Attestation

Die angehefteten Unterla-gen stimmen mit der ursprünglich eingereichten Fassung der auf dem näch-sten Blatt bezeichneten europäischen Patentanmel-dung überein.	The attached documents are exact copies of the European patent application described on the following page, as originally filed.	Les documents fixés à cette attestation sont conformes à la version initialement déposée de la demande de brevet européen spécifiée à la page suivante.

Patentanmeldung Nr. **Patent application No.** **Demande de brevet n°**

02024256.6

Der Präsident des Europäischen Patentamts;
Im Auftrag

For the President of the European Patent Office

Le Président de l'Office européen des brevets
p.o.

R C van Dijk

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Anmeldung Nr:
Application no.:   02024256.6
Demande no:

Anmeldetag:
Date of filing: 31.10.02
Date de dépôt:

Anmelder/Applicant(s)/Demandeur(s):

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ALLEMAGNE

Bezeichnung der Erfindung/Title of the invention/Titre de l'invention:
(Falls die Bezeichnung der Erfindung nicht angegeben ist, siehe Beschreibung.
If no title is shown please refer to the description.
Si aucun titre n'est indiqué se referer à la description.)

Internet protocol based multimedia system (ims)

In Anspruch genommene Prioriät(en) / Priority(ies) claimed /Priorité(s)
revendiquée(s)
Staat/Tag/Aktenzeichen/State/Date/File no./Pays/Date/Numéro de dépôt:

Internationale Patentklassifikation/International Patent Classification/
Classification internationale des brevets:

HO4L/

Am Anmeldetag benannte Vertragstaaten/Contracting states designated at date of
filing/Etats contractants désignées lors du dépôt:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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T02028 EP

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Internet Protocol based multimedia system (IMS)

Mobile Community Service - a short description

5   Starting point for service definition was the aim to make use of the unique
capabilities of mobile networks in general and unique features provided by IMS to
combine them in a new service type. One of the unique capabilities of mobile
networks is availability of location information. Among mobile networks only IMS
based networks allow the exchange of presence information and combination of
10   media components in a session.
The presented service exploits all this unique features of IMS based mobile
networks.

It gives the subscriber the possibility to advertise his handset for approach of
15   interested people within a certain range by sending them a message of a chosen
media type and vice versa, that means receiving a set of chosen media types
from people within a certain range.

The service sequence is as follows:
20   A subscriber decides to become active in the community, subsequently he logs in
to the network and gets to the "mobile community" application menu in his device.
There the choice is offered to change mood to "interested in contact". By selecting
this mode the choice between two modes is offered. He can become active and
send his contact data to other users, named hereinafter "advertising" mode or he
25   can decide to go for the inactive mode, not sending but receiving other community
members data only, at further called "receiving" mode. Of course both modes can
also operate in parallel.
For both possibilities the preferred name and media type can be specified.
If "advertising" mode is chosen, media type and the special content to be sent can
30   be specified. As well the region in which the content shall be sent to interested
receivers can be specified.
Content can be a text or picture message, a video clip or a voice message. All the
messages can be either recorded directly using handset capabilities or chosen

from a set of pre-recorded contents. This contents can be stored on a personal account via web interface at any time. The stored contents are offered on a selection menu automatically if "advertising" mode is selected. To avoid the necessity of carrying a high end device that is able to host all applications

5   necessary for recording of content, web access is provided to all users. This gives all users the possibility to create content at their home PC and store them for later selection via the mobiles menu, where the pre-recorded content is shown automatically when the service module is activated. Content can also be predefined via web access so the mobile has not to deal with the content at all.

10   The region in which the content shall be distributed can be specified by abstract distribution classes, such as "local", "walking distance" and "city wide". The class "local" would cover approximately the size of a radio cell and perhaps the neighbouring cells, "walking distance" would mean within a walking distance of 15 min and "city wide" would mean in the borders of the city, but still reachable by

15   public transportation.

A typical user scenario could look as follows: Peter, a software consultant was sent to the city to support the customers IT department. In the evening he decides to relax in the city park. But as time goes by he feels lonesome and wishes to be

20   in company. So he takes his mobile device and enters the mobile community service by advertising his phone with the video message: Hello, my name is Peter, I am looking for some company this evening to have some drinks and relaxed chatting. He decides to receive any message, text, picture, phone call or video message and advertises his device in the whole city region as it is not too

25   late in the afternoon. He decides to become active in receiving mode at the same time. None of the received "advertisement" messages tracks his interest. But after some minutes a text message comes in, sent by Linda, who wants to put up a chat session to get in first contact. After some chatting Linda asks him if he can send a picture. Of course he does and in turn he asks Linda for a phone

30   connection. After having chatted for a while Linda asks him for his preferred food, as she wants to join a vegetarian barbecue party and is looking for company. Peter is enthusiastic about vegetarian barbecue and they decide to meet one hour later to go for grilled cauliflower and roasted carrot.

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Claims

1.   Internet Protocol based multimedia system characterized by combining means for location information with media components during information exchange between a communication centre and peripheral units.

2.   Procedure for information exchange using the components of an Internet Protocol based multimedia system according to claim 1.

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Further enhancements

For fast growing communities and vast number of members, it could become
difficult to decide for an "advertisement". This can easily be solved by
5 differentiating the advertisements according to contact aims, such as personal
contact or conversational contact only. Passing details with the advertisement by
sending personal interest such as hobbies or planned activities can be supported
by offering an addressable subject field that pops up at the receivers device and
gives him the possibility to accept or refuse the session.

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Conclusions

Packet based mobile networks of 2.5 and 3rd generation are able to provide the
capacity and reliability prerequisite to mass roll out of this service that has high
potential to become adopted in the life of a considerable percentage of mobile
15 subscribers. At present only IMS based networks are able to handle the features
and media components necessary to create this new mobile community service.